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Shenandoah Nurseries

D. S. LAKE
President

1916 - 1917
Winter Wholesale Trade List

Shenandoah, Iowa

FOR YOUR INFORMATION

To those who are not acquainted with our concern, would say that this business was established in 1870 and is still under the same management.

We are located in Southwestrn Iowa, fifty miles southeast of Omaha, Nebraska. The soil here is especially adapted to the growing of a general line of nursery stock. The railroad facilities are excellent. We are on the Wabash, Chicago, Burlington and Quincy, and Keokuk and Western railroads; two express companies—the Adams and the Wells-Fargo—give us good service. We take pleasure in showing visitors over our grounds at any time.

TERMS OF SALE

SHIPPING—Parties ordering goods should indicate whether they wish them sent by freight or express, also route. In the absence of these instructions, we forward them to the best of our judgment, but in no case will we assume responsibility after consignment to purchaser. When losses occur by delays or other causes of whatever nature while goods are in transit, make claim **AT ONCE** on the forwarding companies. All shipments travel at the risk and cost of the purchaser.

TERMS—Cash or security before shipment of goods, except with established firms, when, if unknown to us, satisfactory references will be required before goods are forwarded. Orders to be sent C. O. D. should be accompanied by one-fourth cash.

PRICES—Are limited to Winter 1916-1917 and supercede all previous quotations on the stock herein listed and are subject to change without notice.

CAUTION—We accept all orders upon condition that they shall be void should any injury befall stock from drouth, frost, fire, hail storms or other causes over which we have no control. Also, all imported stock is sold subject to arrival, without engagement, and subject to war conditions.

CLAIMS—For any cause will receive consideration only when made within six days after arrival of goods. In no case will we entertain claims made after the goods have been once accepted.

PACKING—Prices contained herein are net; cost of boxing and baling will be added, except, on grafts, which are boxed free.

GRADES—We grade carefully; in some cases by caliper, in others by height. when graded by both caliper and height, the caliper must govern.

CERTIFICATE OF INSPECTION—Will be furnished with each shipment.

GUARANTEE OF GENUINENESS—If any nursery stock, etc., proves untrue to description under which it was sold, we hold ourselves in readiness on proper proof, to replace all such nursery stock, etc,. that may prove otherwise, or refund the amount paid, but we shall in no case be liable for any sum greater than the amount originally received for said nursery stock.

TREATMENT OF NURSERY STOCK—That has been received during frosty weather. Place the package, **UNOPENED**, in a cool cellar or some such place, that is free from frost, until perfectly thawed. **DO NOT BE IN A HURRY TO OPEN.** Stock can remain in this condition for a week or two if the boxes are covered with moss, sawdust, earth or something to exclude the air. Then they can be unpacked Treated thus, they will not be injured by freezing.

D. S. LAKE, President SHENANDOAH, IOWA

FRUIT TREE STOCKS—American Grown

APPLE SEEDLINGS—We left our seedlings in the ground until they were well matured. They are full of vitality and will give satisfaction.

We wish to call special attention to our No. 2 grade. These are very nice, smooth, straight seedlings and are very satisfactory for grafting. Some firms use them almost exclusively. We will be pleased to send samples upon request.

Prices will undoubtedly advance and the careful buyer will place his order early. We usually make up carloads to distributing points in New York, Maryland, Utah, California, and various other places.

Japan Pear Seedlings are in very active demand and we advise all prospective buyers to place their orders at once.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

	Per 100	Per 1000
Apple Seedlings, extra heavy, 1-4 inch and up, straight	$ 1 00	$ 7 00
Apple Seedlings, No. 1, 3-16 in. and up, straight, 1,000 to 10,000	80	6 00
" " No. 1, 3-16 in. and up, straight, 10,000 and up	....	5 00
" " No. 2, 2-16 to 3-16 in. straight, 1,000 to 10,000	40	2 50
" " No. 2, 2-16 to 3-16 in. straight, 10,000 and up	....	2 00
" " No. 2, 2-16 to 3-16 inch, branched	40	2 50
" " No. 3, 2-16 inch, straight and branched suitable for light grafting or lining out to bud	20	1 00
" " No. 4, too light to graft but suitable for lining out to bud	15	60
Pear Seedlings, Japan, No. 1, 3-16 inch and up	1 00	8 00
" " " No. 2, 2-16 to 3-16 inch	80	6 00
" " " No. 3	50	3 00
" " Kieffer, No. 1, 3-16 inch and up	1 00	8 00
" " " No. 2, 2-16 to 3-16 inch	80	6 00
" " " No. 3	50	3 00
Plum Seedlings, Americana, No. 1, 3-16 inch and up	1 50	12 00
" " " No. 2, 2-16 to 3-16 inch	1 00	8 00

French Grown

Imported fruit tree stocks are scarce this season, especially Mahaleb and Myrobolan. We earnestly advise our regular customers to send in their orders AT ONCE. We have but a small surplus and in ordering we wish customers, would state if they want us to use a larger or smaller grade, at corresponding prices, in case we can not fill the order in the size wanted.

We are not agents for French nurserymen, but have our own resident representative in France who has our seedlings grown for us on contract by men who make a specialty of growing fruit tree stocks.

We wish to call special attenion to the fact that these goods are sold NET AT SHENANDOAH. We take all the risks of transportation, and pay all charges from France to this place. This is a very important point for customers to remember. Sometimes there is quite a loss in these long shipments, but this does not affect the customers as we open the boxes and grade out the damaged seedlings and guarantee our stock to be in good condition when it is delivered to the forwarding agent at Shenandoah. A government inspector is also stationed at Shenandoah the entire winter and he inspects all imported stock.

	Per 100	Per 1000
Apple Seedlings branched roots, 3-5 mm	$ 60	$ 4 50
" Doucine (English Paradise) 5-10 mm	1 50	12 00
" Paradise (French) 5-10 mm	1 50	12 00
Cherry Seedlings, Mahaleb, 5-10 mm	1 25	10 00
" " " 4-6 mm	1 00	8 00
" " " 3-5 mm	80	6 00
" " " 2-3 mm	60	4 00
" " Mazzard, 5-10 mm	1 40	11 00
" " " 4-6 mm	1 00	8 00
" " " 3-5 mm	80	6 00
" " " 2-3 mm	60	4 00

FRUIT TREE STOCKS, French Grown—Continued

	Per 100	Per 1000
Pear Seedlings, branched roots, 5-7 mm	90	7 00
" " branched roots, 4-6 mm	75	5 50
" " branched roots, 3-5 mm	60	4 50
Plum Seedlings Mariana, 5-10 mm	1 40	11 00
" " " 3-5 mm	1 00	8 50
" " Myrobolan, 6-10 mm	1 50	12 00
" " " 5-9 mm	1 40	11 00
" " " 4-6 mm	1 25	9 50
" " " 3-5 mm	1 00	8 50
" " " 2-3 mm	80	6 50
" " St. Julian, 5-10 mm	1 40	11 00
Quince Stocks, 7-12 mm	1 25	10 00
" " 6-10 mm	1 15	9 00
" " 5-7 mm	1 00	8 00
" " 3-5 mm	80	6 00

ROSE STOCKS

Canina, 5-9 mm	1 25	10 00
Manetti, 5-9 mm	1 25	10 00
" 3-5 mm	1 00	8 00
Multiflora, 5-9 mm	1 25	11 00
" 3-5 mm	1 15	9 00

(mm means Millimeter; 25 mm to the inch)

ROOT GRAFTS

Why not let us put up your graft order this winter?

Unless you have experienced help, you will find it cheaper and better to have us do your grafting. We have a large force of expert men, who devote their time during the winter months exclusively to this department. The grafting cellars are located close by our office and no part of our business receives more careful personal attention.

We are prepared to put up grafts of any style or length wanted, and make the price accordingly. We use the best of materials; orchard scions are used extensively and selected hardy seedlings grown by us from the best crab seed that we can procure.

While we are prepared to do machine wrapping, yet for our own planting we prefer the hand work which seems to give very satisfactory results. Each order is grafted by itself and packed separately until shipped. They are re-packed and inspected several times during the winter so they are in the best of condition at shipping time.

It is very important that orders be placed early. We can then give them closer attention and supply a larger list of varieties than later in the season. Our grafting season begins about the first of January and continues throughout the winter.

Grafts should be planted out early in the spring in well prepared ground. In our own planting we set them about eight inches apart in the row, making the rows three feet six inches wide. It is very essential that the earth be well pressed around them.

As our grafts are put up in bunches of one hundred, do not order a less amount of any one variety. We will be glad to mail samples upon request.

If ordered alone varieties marked with a star (*) in the list of varieties on page 11 will cost one dollar per thousand higher than quoted in this list.

APPLE AND CRAB PIECE ROOT GRAFTS

Piece root grafts are made by using about six inches of scion and three and one-half inches of root. They are tongued together and securely wrapped at the union, making the entire graft about eight and one-half inches long. This style of graft we use mostly in our own planting.

	Per 100	1000
10,000 and up	.....	$4 00
5,000 to 10,000	.....	4 50
1,000 to 5,000	75	5 00

APPLE AND CRAB WHOLE ROOT GRAFTS ON NO. 1 STRAIGHT SEEDLINGS

This style of graft is made by using about six inches of scion and the entire seedling making union at the collar and wrapping with waxed thread which holds it firmly until calloused. Many nurserymen prefer to plant this kind of graft, claiming that they get a larger growth owing to the well formed root system.

	Per 100	Per 1000
5,000 and up	.....	$ 8 00
1,000 to 5,000	1 00	9 00

PEAR GRAFTS

	Per 100	Per 1000
Piece Root	1 00	8 00
Whole Root on No. 1 French Branched Seedlings	1 50	12 00
Whole Root on No. 2 French Branched Seedlings	1 00	8 00
Whole Root on No. 1 Japan or Kieffer Straight Seedlings	1 50	11 00

For List of Varieties See Page 11

All Grafts are Boxed Free

SURPLUS SCIONS

We do not have our scions all graded as yet, and we can not now give a list of surplus. Send us your shortage list and we will gladly quote all we can supply.

SEEDS

	Per Lb.	100 Lbs.
Ash	$ .10	$.....
Box Elder	.10	.....
Catalpa, Speciosa	.50	.....
Locust, Black	.35	30 00
Locust, Honey	.25	20 00

	Per Lb.	100 Lbs.
Mulberry, Russian	$2.00	.....
Peach Pits,	1.75	per bu.
Peach Pits, Stratified	2.00	per bu.
Rhubarb, Linneaus and Victoria	.35	.....

IMPORTED ORNAMENTAL STOCK AND SEEDLINGS

For Planting in Nursery Row

We have our own resident representative in France and, by his being personally on the ground to select our stock, we are assured of receiving the best obtainable. Practically all of it has been transplanted and we believe will please you.

As French nurserymen generally sell by age instead of height, we can not list all of the stock by feet or inches. The average height of the plants, listed as two year, is eight to twenty-four inches.

Send in Your Order Early Before the Assortment is Broken

NOTE: On small orders of less than 100 of a variety, we must add 10 per cent to the following prices:

	Per 1000
Acer Platanoides, Norway Maple, 3 to 4 feet	$25 00
" " Norway Maple, 2 to 3 feet	15 00
" " Norway Maple, 18 to 24 inches	10 00
" Pseudo-platanus, Sycamore Maple, 18 to 24 inches	10 00
" Saccharum, Sugar or Hard Maple, 18 to 24 inches	20 00
" " Sugar or Hard Maple, 12 to 18 inches	15 00
" Schwedleri, Schwedler's Purple Leaved Maple, 4 to 5 feet	200 00
" " Schwedler's Purple Leaved Maple, 3 to 4 feet	175 00
Aesculus Hippocastanum, European Horse Chestnut, Single White Flower 2 to 3 feet	15 00
" Rubicunda, Horse Chestnut, Red Flowered, 2 to 3 feet	30 00
Akebia Quinata, 2 year	20 00
Ampelopsis Engelmanni, 2 year	20 00
" Quinquefolia, American Ivy or Virginia Creeper, 2 year	15 00
" Veitchii, Japan or Boston Ivy, 2 year	20 00
Aristolochia Sipho, Dutchman's Pipe, 2 year	100 00

IMPORTED ORNAMENTALS—Continued

	Per 1000
Berberis Darwini, Darwin's Barberry, 12 to 18 inches	20 00
" Purpurea, Purple Leaved Barberry, 18 to 24 inches	17 50
" " Purple Leaved Barberry, 12 to 18 inches	15 00
" Thunbergii, Thunberg's Barberry, 6 to 10 inches	10 00
" Vulgaris, Green Leaved Barberry, 18 to 24 inches	17 50
" " Green Leaved Barberry, 12 to 18 inches	15 00
Betula Alba, European White Birch, 3 to 4 feet	22 50
" " European White Birch, 2 to 3 feet	17 50
" " European White Birch, 18 to 24 inches	12.50
" " European White Birch, 12 to 18 inches	10 00
Bignonia Grandiflora, 2 year	50 00
" Radicans, American Trumpet Creeper, 2 year	17 50
Buddleia Variabilis, Butterfly Bush, 2 year	20 00
Calycanthus Floridus, 2 year	20 00
Caragana Arborescens, Siberian Pea Tree, 2 year	15 00
Celastrus Scandens, American Bittersweet, 2 year	25 00
Chamaecerasus Fragrantissima, Fragrant Upright Honeysuckle. Pure White, 2 year	30 00
" Morrowi, Japanese Bush Honeysuckle, Yellowish White. 2 year	25 00
" Tartarica Alba, White Tartarian Honeysuckle, 2 year	22 50
" " Rosea, Pink Tartarian Honeysuckle, 2 year	25 00
" " Rubra, Red Tartarian Honeysuckle, 2 year	30 00
Chionanthus Virginica, White Fringe, 2 year grafted	50 00
Cornus Sanguinea, European Red Osier Dogwood, 2 year	20 00
" Siberica, Red Branched Dogwood, 2 year	20 00
Crataegus Oxyacantha, Common Hawthorn, 2 year	10 00
" Coccinea Fl. Pl., Paul's Double Scarlet Thorn, 2 year	60 00
Cydonia Japonica, Japan Quince, 18 to 24 inches	17 50
" " Japan Quince, 12 to 18 inches	15 00
Desmodium Penduliflorum, 2 year	50 00
Deutzia Crenata, 2 year	20 00
" Gracilis, 2 year	25 00
" Lemoinei, 2 year	22 00
" Pride of Rochester, 2 year	20 00
" Scabra, 2 year	20 00
Diervilla, Weigela, Abel Carrier, Rose, 2 year	40 00
" " Candida, White, 2 year	35 00
" " Eva Rathke, Crimson, 2 year	45 00
" " Rosea, Pink, 2 year	35 00
" " Nana Variegated, 2 year	40 00
Eleagnus Longpipes, Silver Thorn or Japan Oleaster, 2 year	25 00
Euonymus Europeus, European Strawberry or Spindle Tree, 2 year	15 00
Exochorda Grandiflora Pearl Bush, 2 year	37 50
Forsythia Fortunei, Fortune's Golden Bell, 2 year	25 00
" Intermedia, 2 year	20 00
" Suspensa, 2 year	30 00
" Viridissima, 2 year	20 00
Gingko Biloba, Maiden Hair Tree, 2 year	20 00
Hedera Helix, English Ivy, 2 year	15 00
Hydrangea Arborescens Grandiflora, Hills of Snow, 2 year	50 00
" Paniculata Grandiflora, 2 year	25 00
Ilex Aquifolium, European Holly, 2 year	17 50
Jasminum Officinale, True Jasmine, 2 year	20 00
Kerria Japonica, Single Corchorus, 2 year	20 00
" " Fl. Pl., Double Corchorus, 2 year	20 00

IMPORTED ORNAMENTALS—Continued

	Per 1000
Ligustrum Amurense, Amoor River Privet, 18 to 24 inches	$20 00
" " Amoor River Privet, 12 to 18 inches	18 00
" Ibota, Chinese Privet 18 to 24 inches	22 50
" " Chinese Privet, 12 to 18 inches	20 00
" Vulgare, European or Common Privet, 18 to 24 inches	12 50
" " European or Common Privet, 12 to 18 inches	10 00
" Ovalifolium, California Privet, 6 to 12 inches	9 00
Lonicera Belgica, Monthly Fragrant or Dutch Honeysuckle, 2 year	$25 00
" Flava, Yellow Trumpet Honeysuckle, 2 year	30 00
" Halleana, Hall's Japan Honeysuckle, 2 year	20 00
" Punicea, Red Coral Honeysuckle, 2 year	30 00
" Sempervirens, Scarlet Trumpet Honeysuckle, 2 year	25 00
" Sinensis, Chinese Honeysuckle, 2 year	25 00
Magnolia Acuminata, Cucumber Magnolia, 2 year	50 00
" Soulangeana, Soulange's Magnolia, 2 year	90 00
Philadelphus Coronarius, Garland Syringa or Mock Orange, 2 year	22 50
" Grandiflorus, Large Flowered Syringa, 2 year	25 00
" Gordonianus, Gordon's Syringa, 2 year	22 50
" Lomoinei, Lemoine's Syringa, 2 year	25 00
" Foliis Aureis, Golden Leaved Syringa, 2 year	37 50
Platanus Orientalis, European Sycamore or Plane Tree, 18 to 24 inches	30 00
" " European Sycamore or Plane Tree, 12 to 18 inches	25 00
Prunus Pissardi, Purple-Leaved Plum, 2 year	50 00
" Triloba, Double-Flowered Plum, 2 year	70 00
Quercus Palustris, Pin Oak, 2 year	20 00
" Rubra, Red Oak, 2 year	15 00
Rhamnus Catharticus, Buckthorn, 12 to 18 inches	15 00
Rhodotypus Kerrioides, White Kerria, 2 year	22 50
Rhus Cotinus, Purple Fringe or Smoke Tree, 2 year	20 00
" Glabra, Smooth Sumac, 2 year	25 00
" " Laciniata, Cut Leaved Sumac, 2 year	50 00
" Typhina, Staghorn Sumac, 2 year	30 00
" " Laciniata, Cut Leaved Staghorn Sumac, 2 year	50 00
Ribes Aureum, Yellow Flowered Currant, 2 year	22 50
" Gordonianum, Pink Flowered Currant, 2 year	25 00
" Sanguineum, Red Flowered Currant, 2 year	30 00
Rosa Rugosa, 2 year	20 00
Sambucus Aurea, Golden Elder, 2 year	25 00
" Racemosa, Red-berried Elder, 2 year	25 00
Sorbus Aucuparia, European Mountain Ash, 3 to 4 feet	30 00
" " European Mountain Ash, 2 to 3 feet	25 00
" " European Mountain Ash, 18 to 24 inches	20 00
" " European Mountain Ash, 12 to 18 inches	15 00
Spirea Anthony Waterer, Dwarf, Crimson, 2 year	25 00
" Arguta, Snow Garland Spirea, White, 2 year	25 00
" Billardi, Pink, 2 year	20 00
" Bumaldi, Dwarf, Rose, 2 year	20 00
" Callosa, Pink, 2 year	20 00
" " Alba, White, 2 year	20 00
" " Rubra, Red, 2 year	20 00
" Opulifolia, Nine Bark, White, 2 year	17 50
" " Aurea, Golden Leaved Spirea, White, 2 year	20 00
" Prunifolia, Fl. Pl., Bridal Wreath, White, 2 year	27 50
" Sorbifolia, White, 2 year	25 00
" Thunbergi, White, 2 year	25 00
" Van Houtti, White, 2 year	18 00

IMPORTED ORNAMENTALS—Continued

	Per 1000
Symphoricarpus Racemosus, White Snowberry, 2 year	$17 50
" Vulgaris, Red Snowberry, Indian Currant or Coral Berry.. 2 year	15 00
Syringa, Josikaea, Hungarian Lilac, Purple, 2 year	35 00
" Persica, Purple Persian Lilac, 2 year	50 00
" " Alba, White Persian Lilac, 2 year	60 00
" " Rubra, Red Persian Lilac, 2 year	50 00
" Rothomagensis, Rouen Lilac, Reddish Purple, 2 year	40 00
" Rubra de Marley, Dark Red, 2 year	40 00
" Villosa, Pink Lilac, 2 year	65 00
" Vulgaris, Common Purple Lilac, 2 year	17 50
" " Alba, Common White Lilac, 2 year	25 00
" Lilac, Named Varieties, 2 year	60 00

SINGLE FLOWERED VARIETIES

Charles X, reddish purple
Congo, vinous red
Frau Bertha Dammann, white
Ludwig Spaeth, dark purplish red
Marie Le Graye, pure white
Vulcan, very dark red

DOUBLE FLOWERED VARIETIES

Alphonse Lavalle, blue-violet
La Tour D' Auvergne, violet-purple
Mme. Abel Chatenay, white
Mme. Casimir Perier, creamy-white
Mme. Lemoine, white
Michael Buchner, pale lilac
Miss Ellen Willmott, snow white
President Grevy, blue

Viburnum Lantana, Wayfaring Tree, 2 year	20 00
" Opulus, High Bush Cranberry, 2 year	20 00
" " Sterilis, Snowball, 2 year	30 00
" Plicatum, Japanese Snowball, 2 year	75 00
Weigela, see Diervilla	
Wistaria Multijuga, Japanese Wistaria, Dark Blue, 2 year	50 00
" " Alba, Japanese Wistaria, White, 2 year	60 00
" Sinensis, Chinese Wistaria, Blue, 2 year	40 00
" " Alba, Chinese Wistaria, White, 2 year	50 00

BOXWOOD—For Spring Shipment

	Each Without Tubs	Each With Tubs
Bush Shaped, B & B, 18 to 20 inches	$ 75	$1 15
" " B & B, 22 to 24 "	1 00	1 45
Globe or Ball Shaped, B & B, 18 x 18 inches	3 25	3 75
" " " " B & B, 15 x 15 "	2 35	2 75
Pyramidal Shaped, B & B, 24 inches	1 50	1 90
" " B & B, 30 "	1 75	2 25
" " B & B, 36 "	2 25	2 75
" " B & B, 48 "	3 75	4 25
Standard, B & B, 15 to 18 inch stem	1 75	2 25
" B & B, 24 inch stem	3 25	3 75
" B & B, 30 " "	3 75	4 25

Our Boxwood are imported, of the very best quality and will suit the most critical trade. We solicit your orders.

The grades of Bush and Pryamidal Boxwood are ascertained by measuring from the collar to the tip of the plant, unless tubbed when they are measured from the top of the tub to the tip of the plant. The size of the Globed Shaped is given in both height and diameter. Standards are graded according to the length of the stem from the collar to the crown.

Our tubs are new, neat in appearance, painted green, substantially made bound with electric welded hoops, and have side handles.

HEDGING

	Per 10	Per 100
Barberry, Purple Leaved and Vulgaris, 2 to 3 feet	$1 00	$8 00
" Purple Leaved and Vulgaris, 18 to 24 inches	60	5 00
" Purple Leaved and Vulgaris 12 to 18 inches	40	3 00
" Thunberg's, 2 to 2½ feet	1 25	10 00
" Thunberg's, 18 to 24 inches	1 00	8 00
" Thunberg's, 12 to 18 inches	60	5 00
Caragana, Arborescens, Siberian Pea Tree, 2 to 3 feet	60	5 00
" " Siberian Pea Tree, 18 to 24 inches	50	4 00
Honeysuckle Tartarian, Red, Pink and White, 3 to 4 feet	1 25	10 00
" " Red, Pink and White, 2 to 3 feet	1 00	8 00
" " Red, Pink and White, 18 to 24 inches	60	5 00
Quince, Japan Scarlet, 2 to 3 feet	80	7 00
" " " 18 to 24 inches	60	5 00
" " " 12 to 18 inches	40	3 00
Spirea, Van Houttei, 3 to 4 feet	1 25	10 00
" " " 2 to 3 feet	1 00	8 00
" " " 18 to 24 inches	75	6 00
" " " 12 to 18 inches	50	3 00

PRIVET

Amoor River North, 3 to 4 feet, 3 branches and up	60	5 00
" " " 2 to 3 feet, 3 branches and up	50	4 00
" " " 18 to 24 inches, 3 branches and up	35	3 00
" " " 12 to 18 inches, 3 branches and up	30	2 50
" " " 2 to 3 feet, 2 to 3 branches	45	3 50
" " " 18 to 24 inches, 2 to 3 branches	30	2 50
" " " 12 to 18 inches, 2 to 3 branches	25	2 00

We have a fine stock of the Amoor River North Privet. It has proven to be hardy and should be planted more extensively.

California, 3 to 4 feet, 3 branches and up	30	2 50
" 2 to 3 feet, 3 branches and up	25	2 00
" 18 to 24 inches, 3 branches and up	20	1 60
" 12 to 18 inches, 3 branches and up	15	1 25
" 2 to 3 feet, 2 to 3 branches	20	1 75
" 18 to 24 inches, 2 to 3 branches	15	1 25
" 12 to 18 inches, 2 to 3 branches	12	1 00
Ibota, 3 to 4 feet, 3 branches and up	60	5 00
" 2 to 3 feet, 3 branches and up	50	4 00
" 18 to 24 inches, 3 branches and up	40	3 00
" 12 to 18 inches, 3 branches and up	35	2 50
Vulgaris, 3 to 4 feet, 3 branches and up	60	5 00
" 2 to 3 feet, 3 branches and up	50	4 00
" 18 to 24 inches, 3 branches and up	40	3 00
" 12 to 18 inches, 3 branches and up	30	2 00

Please note that part of the California and Amoor are two or three branches.

FOREST TREE SEEDLINGS AND OSAGE ORANGE

	Per 100	Per 1000
Ash, 2 to 3 feet	$ 60	$ 4 50
" 18 to 24 inches	50	3 50
" 12 to 18 inches	40	2 50
" 6 to 12 inches	15	1 25
Box Elder, 12 to 18 inches	40	2 50
" " 6 to 12 inches	25	1 50
Butternut 18 to 24 inches	1 50	10 00
" 12 to 18 inches	1 25	8 00
Catalpa Speciosa, 2 to 3 feet	60	4 50
" " 18 to 24 inches	50	3 50
" " 12 to 18 inches	40	2 50
" " 8 to 12 inches	15	1 25
Cherry, Wild Black, 18 to 24 inches	65	5 00
" " " 12 to 18 inches	55	4 00
Elm, American White, 2 to 3 feet	65	5 00
" " " 18 to 24 inches	50	3 50
" " " 12 to 18 inches	40	2 50
" " " 6 to 12 inches	25	1 50
Locust, Black, 3 to 4 feet	75	6 00
" " 2 to 3 feet	60	4 50
" " 18 to 24 inches	50	3 50
" " 12 to 18 inches	40	2 50
" Honey 12 to 18 inches	55	4 00
" " 6 to 12 inches	35	2 00
Maple, Silver Leaved, 4 to 5 feet	1 25	10 00
" " " 3 to 4 feet	75	6 00
" " " 2 to 3 feet	55	4 00
" " " 18 to 24 inches	45	3 00
" " " 12 to 18 inches	35	2 00
" " " 6 to 12 inches	15	1 25
Mulberry, Russian, 2 to 3 feet	65	5 00
" " 18 to 24 inches	55	4 00
" " 12 to 18 inches	40	2 50
" " 6 to 12 inches	25	1 50
Osage Orange, 18 to 24 inches	35	2 00
" " 12 to 18 inches	25	1 50
" " 6 to 12 inches	15	1 00
Poplar, Carolina, 5 to 6 feet	4 00	30 00
" " 4 to 5 feet	3 50	25 00
" " 3 to 4 feet	3 00	20 00
" " 2 to 3 feet	2 00	10 00
Sycamore, 3 to 4 feet	2 00	15 00
" 2 to 3 feet	1 50	12 00
Walnut, Black, 18 to 24 inches	1 25	10 00
" " 12 to 18 inches	1 00	8 00
Willow, Russian Golden, 3 to 4 feet	1 50	12 50
" " " 2 to 3 feet	1 25	10 00
" " " 18 to 24 inches	65	5 00

VARIETIES OF APPLE, CRAB AND PEAR GRAFTS

Apple

Summer

Benoni
Bough
  Sweet Bough
Chenango
  Chenango Strawberry
Early Harvest
Golden Sweet
Hightop Sweet
  Sweet June
*Livland
  Livland Raspberry
Oldenburg
  Duchess of O.
Red Astrachan
Red June
Sops of Wine
Summer Pippin
Summer Queen
Tetofsky
Yellow Transparent

Autumn

Alexander
Bailey Sweet
Bietigheimer
  Red Bietigheimer
Black Annette
Charlamoff
English Sweet
  Ramsdell's Sweet
Fstalline
Fall Pippin
Fameuse
  Snow
Flora Bell
Gideon
Gravenstein
Hass
Hibernal
Iowa Beauty
Jefferis
Kaump
Late Strawberry
  Aut. Strawberry
Longfield
Lowell
Maiden Blush
McMahon
Okabena
Peerless
Peter
Pumpkin Sweet
  Pound Sweet
Rambo
Smokehouse
University
Utter
  Utter Red
Wealthy
Yellow Horse

Winter

Akin
Allen Choice
Anisim
Arkansas Beauty
Baldwin
*Banana
Ben Davis
Black Arkansas
  Ark. Black
*Black Ben
*Champion
*Chicago
  Coffelt
  Cranberry Pippin
*Delicious
  Domine
*Dudley
  North Star
Esopus
  Spitzenburg
Gano
Gilpin
  Carthouse or L. R.
  Romanite
Golden Russet
  E. G. Russet
Greenville
  D. W. M Blush
Grimes
  G. Golden
Hubbardston
  H. Nonsuch
Huntsman
Ingram
Iowa Blush
Isham
  Isham Sweet
Jonathan
King David
Lansingburg
Lawyer
  Del. Red Winter
*Magnate
Malinda
M. B. Twig or Arkansas
Mann
McIntosh
Milam
  R. W. Pearmain
Milwaukee
Minkler
Missouri
  Mo. Pippin
Northern Spy
Northwestern
  N. W. Greening
*Opalescent
*Paragon
Patten
  Patten Greening
Perry Russet
Pewaukee
Plum Cider
Price Sweet
Ralls
  Janet
Rhode Island
  R. I. Greening
Roman Stem
Rome Beauty
Roxbury
  Roxbury Russet
Salome
Scott Winter
*Senator
Smith
  Smith Cider
Stark
*Stayman Winesap
Sutton
  Sutton Beauty
Tolman
  Tolman Sweet
Tompkins King
  King of T. Co.
Twenty Ounce
Wagener
Walbridge
Westfield
  Seek-no-further
White Pippin
Willowtwig
Windsor
  Windsor Chief
Winesap
Winter Paradise
  W. S. Paradise
Winter Pearmain
  W. W Pearmain
Wisconsin Russet
Wolf River
Yellow Bellflower
Yellow Newton
  Y. N. Pippin
York Imperial

Crab

Alaska
Briar
  Briar's Sweet
Dartt
Florence
Gideon No. 4
Grant
  Gen. Grant
Hyslop
Martha
Milton
Minnesota
Q. C. Cluster
Red Siberian
Shields
Soulard
Strawberry
  Ea. Strawberry
Sylvan Sweet
  Sylvan
Transcendent
Virginia
White Arctic
Whitney
Yellow Siberian

Pear

Angouleme
  Duch. d' Angouleme
Anjou
  B. d' Anjou
Bartlett
Clapp Favorite
Early Harvest
Early Wilder
Flemish
  Flemish Beauty
Garber
Howell
Kieffer
Koonce
Lawrence
Le Conte
Louise
  L. B' d' Jersey
Seckel
Sheldon
Vermont
  Vermont Beauty
Winter Nelis

*If ordered alone, the varieties marked with a (*) will cost one dollar additional per thousand.

If you want varieties that are not listed above, write us. If we do not have them, we may be able to secure them for you.

CUT PRICES

Shenandoah Nurseries

D. S. Lake, Pres.

Shenandoah, Iowa, Jan. 20, 1917.

Sirs: - We have at San Jose, California, the following Japan and Kieffer pear seedlings. They are very good seedlings in first-class condition and will give splendid satisfaction. Write or wire your order to the SHENANDOAH NURSERIES, SHENANDOAH, IOWA, or RUEHL WHEELER NURSERY, SAN JOSE, CALIFORNIA. Terms, one-fourth cash with order, balance with Bill of Lading attached. Prices are f. o. b. San Jose. No charge for boxing. Please give second choice, in case box you order is sold.

Box	No.	551,	Containing	5,000	Japan	Pear,	No.	1,	$40.00	Box	No.	545	Containing	5,000	Japan	Pear,	No. 3, $12.50
"	"	552,	"	5,000	"	"	"	1,	40.00	"	"	546,	"	5,000	"	"	" 3, 12.50
"	"	553,	"	5,000	"	"	"	1,	40.00	"	"	547,	"	5,000	"	"	" 3, 12.50
"	"	554,	"	5,000	"	"	"	1,	40.00	"	"	706,	"	5,000	"	"	" 3, 12.50
"	"	555,	"	5,000	"	"	"	1,	40.00	"	"	707,	"	5,000	"	"	" 3, 12.50
"	"	700,	"	5,000	"	"	"	2,	27.50	"	"	708,	"	5,000	"	"	" 3, 12.50
"	"	701,	"	5,000	"	"	"	2,	27.50	"	"	550,	"	5,000	"	"	" 3, 12.50
"	"	702,	"	5,000	"	"	"	2,	27.50	"	"	536,	"	5,000	Kieffer	Pear,	No. 1, 40.00
"	"	703,	"	5,000	"	"	"	2,	27.50	"	"	537,	"	5,000	"	"	" 1, 40.00
"	"	704,	"	5,000	"	"	"	2,	27.50	"	"	538,	"	5,000	"	"	" 1, 40.00
"	"	705,	"	5,000	"	"	"	2,	27.50	"	"	539,	"	5,000	"	"	" 3, 12.50
"	"	543,	"	10,000	"	"	"	3,	25.00	"	"	540,	"	5,000	"	"	" 3, 12.50

We can still offer from Shenandoah, a complete line of Fruit Tree Stocks, **Apple, Japan and Kieffer Pear Seedlings, Mazzard, Mahaleb, Fr. Pear, Etc., Pear and Apple Grafts,** and a complete assortment of **General Nursery Stock.** As the demand is active, we advise orders be placed at once. We will have several cars more to California and will include orders in car nearest to customer, which means Safer, Quicker and Cheaper transportation.

Yours truly,

THE SHENANDOAH NURSERIES,

D. S. Lake, President.

Incutt Seed & Plant Co.
3222 East St.
San Diego
Calif

2.27

SHENANDOAH NURSERIES

D. S. LAKE, Pres.

Shenandoah, Iowa, Dec. 28, 1916.

Sirs: – We have at San Jose, California, the following Japan and Kieffer pear seedlings. They are very good seedlings in first-class condition and will give splendid satisfaction. Write or wire your order to the SHENANDOAH NURSERIES, SHENANDOAH, IOWA, or RUEHL WHEELER NURSERY, SAN JOSE, CALIFORNIA. Terms, one-fourth cash with order, balance with Bill of Lading attached. Prices are f. o. b. San Jose. No charge for boxing. Please give second choice, in case box you order is sold.

Box No.	551,	Containing	5,000	Japan	Pear,	No.	1,	$45.00	Box No.	545	Containing	5,000	Japan	Pear,	No.	3,	16.25
" "	552,	"	5,000	"	"	"	1,	45.00	" "	546	"	5,000	"	"	"	3,	16.25
" "	553,	"	5,000	"	"	"	1,	45.00	" "	547	"	5,000	"	"	"	3,	16.25
" "	554,	"	5,000	"	"	"	1,	45.00	" "	548	"	5,000	"	"	"	3,	16.25
" "	555,	"	5,000	"	"	"	1,	45.00	" "	549	"	10,000	"	"	"	3,	32 50
" "	521,	"	5,000	"	"	"	2,	32.50	" "	550	"	5,000	"	"	"	3,	16.25
" "	522,	"	5,000	"	"	"	2,	32.50	" "	536	"	5,000	Kieffer	Pear,	No.	1,	45.00
" "	525,	"	10,000	"	"	"	2,	65.00	" "	537	"	5,000	"	"	"	1,	45.0
" "	526,	"	10,000	"	"	"	2,	65.00	" "	538	"	5,000	"	"	"	1,	45.00
" "	527,	"	5,000	"	"	"	2,	32.50	" "	539	"	5,000	"	"	"	3,	16.25
" "	543,	"	10,000	"	"	"	3,	32 50	" "	540	"	5,000	"	"	"	3,	16 25
" "	544	"	5,000	"	"	"	3,	16.25									

We can still offer from Shenandoah a complete line of Fruit Tree Stocks, **Apple, Peach, Japan and Kieffer Pear Seedlings, Myrobolan, Mazzard, Mahaleb, Fr. Pear, Etc, Pear and Apple Grafts,** and a complete assortment of **General Nursery Stock.** As the demand is active, we advise orders be placed at once. We will have several cars more to California and will include orders in car nearest to customer, which means Safer, Quicker and Cheaper transportation.

Yours truly,

THE SHENANDOAH NURSERIES,

D. S. Lake, President.

1205 Broadway

ORCUTT SEED & PLANT CO.,

~~3222 EAST ST.~~

SAN DIEGO, CALIF.

NURSERYMEN'S SUPPLIES

NOTE—Supplies of all kinds are subject to advance in price at any time without notice

BOX STRAPS—Made of thin sheet steel, cut into strips averaging 12 inches long, one inch wide. Strong, tough, pliable and holds the heaviest box. A nail can be driven through them readily without previous punching, per lb 06½

BURLAP—7 ounces to the yard, 40 inches wide, per yard ..... .10

COLLATING BOOKS—To collate orders, per book (if by mail add 2c) ..... .07

DELIVERY CASH BOOKS—Have ruled spaces for name of customer, amount of order, amount collected, etc. Per book (if by mail add 2c) ..... .07

DIBBLES—Used for planting out grafts, plants, etc., each 1.25

GLOVES—Leather front, cloth back, very serviceable, per pair (per doz $8) .. .70

GRAFTING THREAD—Unwaxed, per ball (if by mail add 2c) ..... .12

Waxed per ball—one ball will wind about 3000 grafts (if by mail add 7 cents) If by parcel post add for postage on a weight of 6 oz. per ball .15

KNIVES—Pruning, Wosteholm's I. X. L., large size, none better. Each (if (if by mail add 3 cents) ..... .85

KNIVES—Budding, American make, no ivory tip, each (if by mail add 2c) .. .40

KNIVES—Grafting, Wostenholm's I. X. L. Designed expressly for grafting. The best knife we can buy, English steel, hand forged. Each (if by mail add 3 cents) ..... .60

KNIVES—Grafting—The best all around reasonable priced grafting knives we know of. Have used them in our grafting rooms and sold them to the trade for years, and they give excellent satisfaction. American make, square point, hand forged from best Swedish steel. Each ,if by mail add 3 cents) ..... .50

KNIVES—Grafting, American make, round point. Each (if by mail add 3c) .35

KNIVES—Pruning, Wosterholm's I. X. L., large size, none better. Each (if by mail add postage on a weight of 7 ounces per knife) ..... .85

KNIVES—Pruning, Keen Kutter, fine for light pruning. Each (if by mail add 4 cents) ..... .60

LABELS—Put up in packages of 1000. Notched, iron wired, 3½ inch plain, per 1000 ..... .80

Notched, copper-wired, 3½ inch plain, per 1000 ..... 1.00

Notched and pierced, iron-wired, 3½ inch plain, per 1000 ..... .90

MOSS—In bales, reasonably dry, per lb ..... .02

"MULE SKIN MITTENS—Very durable and wear like buck-skin, just the thing to handle roses, trees, etc., there are two sheaths, one for the fore-finger and one for the other three fingers. per pair ..... .60

Per dozen pair 6.00

ORDER BOOKS—Containing 25 order sheets; also duplicates of different color. Our name does not appear on these blanks. Each ..... .25

Per dozen 2.40

PAPER—To line boxes and bales, comes in 70 lb. rolls, 34 inches wide, per lb .05

PRUNING SHEARS—California pattern, 9 inches, plain nut, steel blades, each .65

SEWING TWINE—For burlapping, in skeins. Per lb ..... .35

SHINGLE TOW—Baled, average 75 lbs. per bale. Per 100 lbs. (will wrap each bale in burlap for 20c extra) ..... .75

SISAL—2 ply, for tying large bales. Per lb ..... .16½

SPADES—Ames make. The best heavy nursery spade, double strapped. Each 2.00

SPADES—Ames make. We found the above spade too heavy for regular nursery work, therefore had this pattern made to our order. It weighs only 7 pounds, is strapped full length. We are glad to recommend it. Each .. 2 00

STOCK BOOKS—We have these ruled and bound especially for us and we believe they are the best stock books made. Ruled in two colors, with spaces for varieties, grades, stock on hand, stock bought and stock sold. A necessity in every nursery office. Per book (send for free sample sheet) 3.50

TARRED LATH YARN—Used for tying trees, put up in 5 lb. balls, per lb .16½

TUBE ROPE—4 ply, for tying trees, put up in 5 lb. balls, per lb ..... .16½

WOOL TWINE—4 ply, for tying trees, put up in 1 lb. balls, per lb ..... .16½